

**UH-1N HELICOPTER
AIR DATA ACCESSORIES KIT
MODEL No. ADAH1-612
(3131AS100-1)
4940-01-340-6533**



AIR DATA ACCESSORIES KIT MODEL No. ADAH1-612 (3131AS100-1)

The kit contains all the equipment required to test from source the complete pitot & static air data system on the UH-1N aircraft, as well as the means of pre-testing adaptor, hoses and pitot static tester prior to being fitted to the aircraft.

Pitot Static Adaptor

Part No. PS82369-4C-6C (1 req'd.)

This unit interfaces with the pitot static probe P/N 369.

INSTALLATION:

Turn compression nut fully counter-clockwise against stop. Install adaptor on to pitot tube until the soft snubber contacts end of probe. Tighten compression nut. Place pitot drain sealing pad behind fin to blank the pitot drain hole. Attach hoses and proceed with test. To remove unit from probe, ensure that the pressure is reduced to ambient. Release compression nut until it touches the stop and move adaptor straight forward until free.

Pre-Test Probe

Part No. PT18236 (1 req'd.)

When it becomes necessary to test the integrity of the pitot static adaptor – P/N PS82369-4C-6C and/or hoses this unit is used in place of the pitot static probe.

Pitot Static Adaptor

Part No. PS47741M-4C-6C (1 req'd.)

This adaptor interfaces with the PST300 pitot static probes (AN5816-2), which are specially modified and fitted with a static compensating ring aft of the static position holes.

INSTALLATION:

Turn compression nut fully counter-clockwise against stop. Install adaptor on to probe until a slight resistance is met. In this condition, the rear seal of the adaptor has touched the compensating ring. A slight forward movement of the adaptor (about 1/4") will enclose the ring and the front dimension of the seal will butt against the ring.

Tighten compression nut.

The configuration of the rear seal can be observed on the parts list and is also a part of the spare seal kit stowed in the transit case.

Pre-Test Probe

Part No. PT14774 (1 req'd.)

When it becomes necessary to test the integrity of the pitot static adaptor – P/N PS47741M-4C-6C and / or hoses this unit is used in place of the pitot static probe.

Pitot Test Hose Assembly

Part No. H1-7270AY (1 req'd.)

This hose is connected to the hose pieces of the pitot inlet of the adaptors. The connection to the pitot outlet hose of the pneumatic generator is included on this assembly.



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Static Test Hose Assembly

Part No. H1-5160AY (1 req'd.)

This hose is connected to the hose pieces of the static inlet of the adaptors. The connection to the static outlet hose of the pneumatic generator is included on this assembly.

Seal Kit – Part No. SK741M

One set of spare seals for pitot static adaptor – P/N PS47741M-4C-6C is stowed in the case.

Seal Kit – Part No. SK369

One spare seal for pitot static adaptor – P/N PS82369-4C-6C is stowed in the case.

Lubricating Fluid

Part No. LF5050 (1 req'd.)

This fluid is used to lubricate the glands of the pitot static adaptors. It is recommended that a small amount be placed on the glands before installing adaptor on pitot head. This will ensure smooth installation onto the pitot probe.

Manual - Part No. 444-H1-AY

One manual is supplied with each kit.

Case Assembly – Part No. 110X-H1

The equipment case is outfitted with formed dunnage to provide adequate storage and/or transit of the kits components.

Unless otherwise stated, the case finish is:

Yellow FED.STD.595, Color No. 13538